

Our Ref: PEF/SD/28854
Your Ref: Y/21/18/DOC

26 April 2018

[REDACTED]
Maidrivers Road
Littlehampton
West Sussex
BN17 5LF

Dear Laura

**Drainage
Land at Kings Close, Yapton**

Further to receipt of a copy of your e-mail dated 19 April 2018, please find herewith the following drawings:-

- 28854-101.P3 – General Arrangement
- Standard Detail STD-01-20 – Inspection Chamber
- Standard Detail STD-01-22 – Manhole
- Standard Detail STD-01-47 – Catchpit
- Standard Detail STD-01-63 – Soakaway

I respond to the items that you raise as follows (using numbers as per your e-mail):-

- 1) As shown on the soakaway schedule and standard detail, soakaways type SA 'A' have a total depth of 1.7m and an effective depth (H) of 1.2m. The calculated water depth of 1.13m is served by the 1.2m deep high storage soakaway.
- 2) As shown on the soakaway schedule and standard detail, soakaways type SA 'B' have a total depth of 1.7m and an effective depth (H) of 1.2m. The calculated water depth of 1.04m is served by the 1.2m deep high storage soakaway.
- 3) As shown on the soakaway schedule and standard detail, soakaways type SA 'C' have a total depth of 1.7m and an effective depth (H) of 1.2m. The calculated water depth of 1.12m is served by the 1.2m deep high storage soakaway.
- 4) Table 4.6 of Ciria Report 156 does indicate that a safety factor of 1.5 can be used for hydraulic design.
- 5) Drawings for soakaways, manholes and catchpits can be found herewith.

I trust that the Surface Water Planning Condition for the project can now be consented.

Yours sincerely

Philip Faulkner
for ARCHIBALD SHAW

Enc

cc: Raym
Micha
Vince

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